

Customer No.: 07278

Docket No.: 04305/100H942-US2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Jens HOLM et al.

Serial No.: 10/001,245

Art Unit: 1644

Filed: November 15, 2001

Examiner: Patrick J. Nolan

For: **NOVEL MUTANT ALLERGENS**

June 30, 2004

STATEMENT UNDER 37 C.F.R. § 1.825(b)

Mail Stop Sequence
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants enclose herewith an Amendment to the Sequence Listing previously submitted in the above-identified with substitute page 235 and new pages 236 and 237 (hereinafter collectively "substitute pages"). In accordance with Rule 1.825(b) also enclosed herewith is a diskette with a substitute computer readable form of the Sequence Listing for the application that includes all previously submitted data with the Amendment incorporated therein.

Applicants state that the paper copy of the amended Sequence Listing consisting of the previously submitted paper copy of the sequence listing and the enclosed substitute pages are identical to the computer readable form of the sequence listing found on the enclosed

diskette. In particular, the amended Sequence Listing and the ASCII file on the enclosed diskette entitled "100H942-US2.ST25.TXT" are identical.

By the accompanying Amendment to the Sequence Listing and the enclosed computer readable form of the Sequence Listing as amended, no new matter has been added to the application.

Respectfully submitted,



Mitchell Bernstein, Ph.D.
Registration No. 46,550
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For: **NOVEL MUTANT ALLERGENS**

June 30, 2004

AMENDMENT TO SEQUENCE LISTING UNDER 37 C.F.R. § 1.825

Mail Stop Sequence
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.825 and MPEP 2426, Applicants enclose herewith an Amendment to the paper copy of the Sequence Listing for the above-identified application. The Amendment includes a substitute page 235 to replace the previous version of page 235 of the Sequence Listing and new pages 236 and 237.

The Amendment adds sequences identified as SEQ ID NO: 218 and 219, respectively. SEQ ID NO: 218 sets forth the cDNA sequence of a Der p 2 mutant bearing six mutations--K6A, K15E, H30N, E62S, H74N, and K82N. SEQ ID NO: 219 sets forth the protein sequence encoded by the cDNA sequence of SEQ ID NO: 218. Support for SEQ ID NO: 218 and 219 is found in the specification at page 72, lines 21-22; page 94, line 14 through page 95,

line 28; and Fig. 31. It is noted particularly that mutagenesis of the wild type Der p 2 sequence set forth in the specification at page 93, lines 6-12 (and also set forth in SEQ ID NO: 89) with the Der p 2 primers set forth in Fig. 31 yields the precise Der p 2 cDNA sequence set forth in SEQ ID NO: 218, which encodes the mutant Der p 2 protein with the sequence set forth in SEQ ID NO: 219. SEQ ID NO: 218 and 219 are therefore supported by the application as filed.

Accordingly, by the present Amendment to the Sequence Listing, no new matter has been added to the application.

Entry of the present Amendment is requested.

Respectfully submitted,



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